

# Converting Colors

XYZ(125.1182, 112.0885,  
99.8963)

Have a look what the booklet for  
XYZ(125.1182, 112.0885, 99.8963)  
contains.

**XYZ(90.6784, 94.2526, 98.2073) ..... 3**  
***Conversions* ..... 4**  
***Details* ..... 6**  
***Harmonies* ..... 12**  
***Previews* ..... 24**  
***Color Blindness Simulation* ..... 28**  
***CSS Examples* ..... 31**

# **Color**

**XYZ(90.6784, 94.2526,  
98.2073)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF7F3
RGB	255, 247, 243
RGB Percent	100%, 97%, 95%
CMY	0.0000, 0.0313, 0.0471
CMYK	0.00, 0.03, 0.05, 0.00
HSL	20°, 100%, 98%
HSV	20°, 5%, 100%
XYZ	90.6784, 94.2526, 98.2073
YIQ	248.9360, 6.0520, 0.4520

# Conversions

## Conversions Part 2

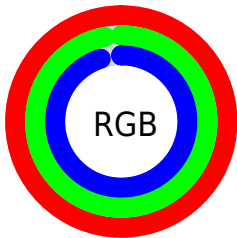
Format	Color
R <sub>Y</sub> B	255, 249, 243
Decimal	16775155
CIE Lab	97.73, 1.99, 2.86
CIE LCh	98, 3.479, 55.155
Yxy	94.2526, 0.3203, 0.3329
Android (android.graphics.Color)	4294965235 (0xFFFFF7F3)
YUV	248.9360, -2.9264, 5.3181
Hunter-Lab	97.0838, -3.1737, 7.9825

# Details

The XYZ color 90.6784, 94.2526, 98.2073 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.5085, 95.2666, 108.2784, and the grayscale version is 90.0118, 94.6994, 103.1276.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.8891, 52.8552, 54.5336 is the 20% darker color. If you saturate the color by 10%, you get 82.1312, 82.8988, 77.6606, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

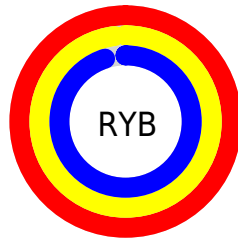
# Distribution



Red (100%)

Green (97%)

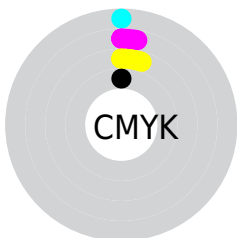
Blue (95%)



Red (100%)

Yellow (98%)

Blue (95%)

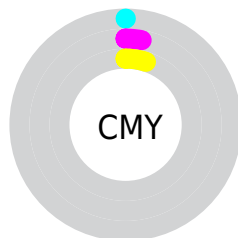


Cyan (0%)

Magenta (3%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (3%)


Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.6784, 94.2526, 98.2073 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 90.6784, 94.2526, 98.2073 by changing the saturation by 10% instead.




 90.6784, 94.2526,  
98.2073

 90.6784, 94.2526,  
98.2073


518.4403,  
541.7695, 575.6272

 68.8816, 71.5131,  
74.1957


147.1539,  
153.2316, 160.7217

 50.8916, 52.7610,  
54.4565


182.5633,  
190.2399, 200.0617

 36.3430, 37.6120,  
38.5711

223.2410,  
232.7733, 245.3481

 24.8706, 25.6817,  
26.1209

269.5522,  
281.2161, 296.9996

 16.1089, 16.5857,  
16.6876

321.8624,  
335.9527, 355.4348

 9.6926, 9.9395,  
9.8524

380.5369,

 5.2563, 5.3589,

397.3675, 421.0720

5.1969

445.9411,  
465.8450, 494.3300

■ 2.4347, 2.4593,  
2.3025

■ 0.8624, 0.8562,  
0.7326

■ 90.6784, 94.2526,  
98.2073

■ 90.6784, 94.2526,  
98.2073

■ 82.1312, 82.8988,  
77.6606

95.0500, 100.0000,  
108.9000

■ 74.5557, 72.6681,  
59.9670

■ 67.9175, 63.5286,  
45.0008

■ 62.1777, 55.4428,  
32.6244

■ 57.2942, 48.3709,  
22.6882

■ 53.2216, 42.2703,  
15.0271

■ 49.9094, 37.0952,  
9.4553

■ 47.3006, 32.7952,  
5.7567

■ 45.3277, 29.3138,  
3.6671

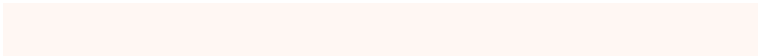
# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.3217, 94.2526, 100.3208



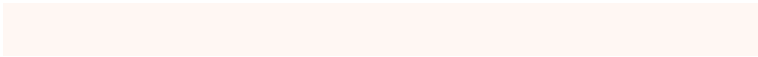
90.6784, 94.2526, 98.2073



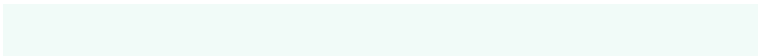
89.7455, 94.2526, 97.2781

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.6784, 94.2526, 98.2073



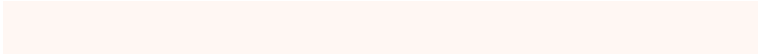
87.6973, 94.2526, 102.1644



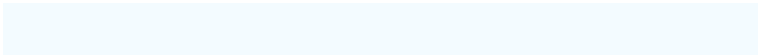
90.3974, 94.2526, 107.6490

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



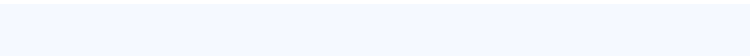
90.6784, 94.2526, 98.2073



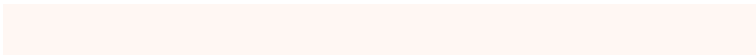
89.5085, 95.2666, 108.2784

# Split Complementary

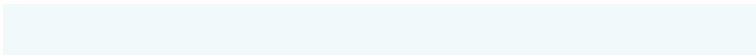
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.4233, 94.2526, 108.1644



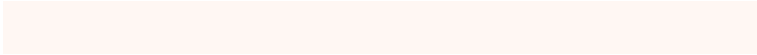
90.6784, 94.2526, 98.2073



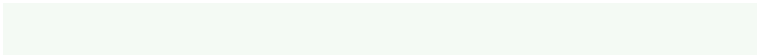
87.8690, 94.2526, 104.9643

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.6784, 94.2526, 98.2073



88.0281, 94.2526, 99.5357



88.4990, 94.2526, 107.1734

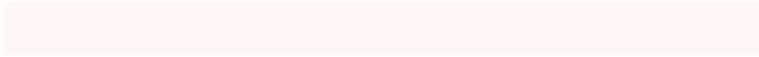


91.1586, 94.2526, 105.7776



# Rectangle

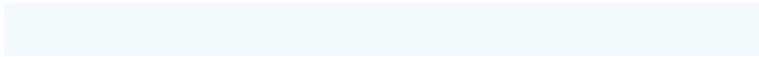
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.6784, 94.2526, 98.2073



89.0866, 94.2526, 97.4427



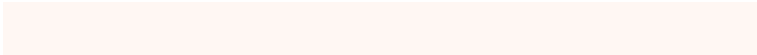
88.4990, 94.2526, 107.1734



90.0838, 94.2526, 107.9880

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



90.6806, 94.2564, 98.2093



94.1025, 98.7576, 106.5722



90.7038, 92.3273, 104.3076



20.1518, 21.1513, 22.8354



0.0000, 0.0000, 0.0000

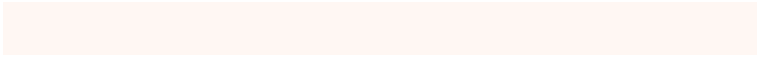


20.3446, 21.4041, 23.3091

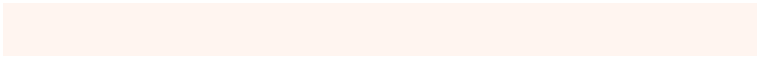


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.6806, 94.2564, 98.2093



89.5175, 92.7212, 95.3835



92.5433, 97.9819, 98.8302



19.0362, 19.6820, 20.1149



23.3726, 14.7564, 1.6164



2.3714, 1.6282, 0.1893

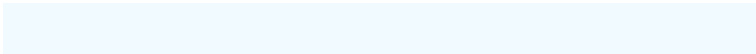


# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



89.5085, 95.2666, 108.2784



88.0360, 93.9979, 108.1112



87.6656, 91.5807, 107.6641



18.6861, 19.9836, 23.1223



17.0753, 19.0602, 52.2136

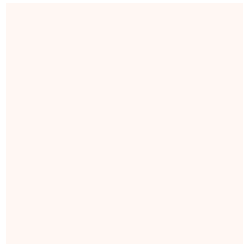


1.7632, 2.0570, 5.1174



# Previews

## White Background



This preview shows how the XYZ color 90.6784, 94.2526, 98.2073 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

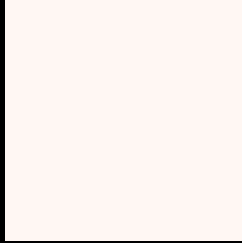
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 90.6784, 94.2526, 98.2073 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

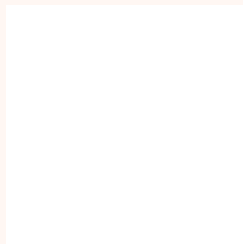
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 90.6784, 94.2526, 98.2073**

## **Background**



This preview shows how black text looks on a background with the XYZ color 90.6784, 94.2526, 98.2073.



This preview shows how white text looks on a background with the XYZ color 90.6784, 94.2526,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

90.6784, 94.2526, 98.2073

### Protanopia

90.3115, 94.0634, 98.1902

### Deuteranopia

91.4440, 94.5588, 102.2390

## Tritanopia

91.8188, 94.6242, 108.0327

# Trichromacy

A vertical bar with a color gradient from light orange at the top to light pink at the bottom.

## Original Color

90.6784, 94.2526, 98.2073

## Protanomaly

90.3115, 94.0634, 98.1902

## Deuteranomaly

91.1353, 94.4353, 100.6133

## Tritanomaly

91.5464, 94.5574, 104.6932

# Monochromacy

A vertical bar with a color gradient from light orange at the top to light grey at the bottom.

## Original Color

90.6784, 94.2526, 98.2073

## Achromatopsia

90.0415, 94.7307, 103.1617

## Achromatomaly

90.1396, 94.3594, 101.4580

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 90.6784, 94.2526, 98.2073 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(255, 247, 243) looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 243)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 247, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 243) }
```

## Border

The CSS property to change the border of an element to XYZ 90.6784, 94.2526, 98.2073 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 247, 243) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 247, 243) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 247, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 243);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
243) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.6784, 94.2526, 98.2073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 243) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
247, 243) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor